

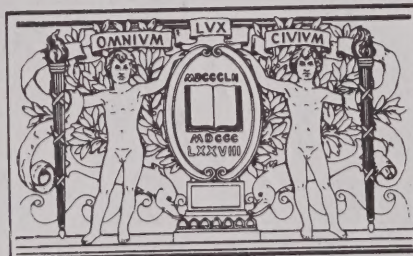
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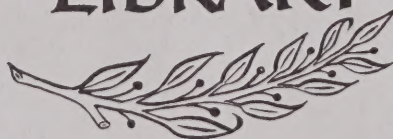
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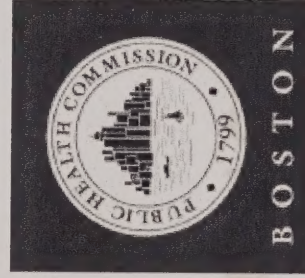


02/9

The Health of Charlestown

presented at the
**Boston Public Health Commission's
5th Annual Community Health Series**

September 23, 2002 **Knights of Columbus**
6:30pm to 8:00pm **Charlestown**



Thomas M. Menino **John Auerbach**
Mayor of Boston *Executive Director*

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Population by Race/Ethnicity

Charlestown, 1990 and 2000



5005

DATA SOURCE: U.S. Census Bureau
DATA YEAR: 1990 and 2000

Charlestown Demographics

Charlestown Community Meeting

2002



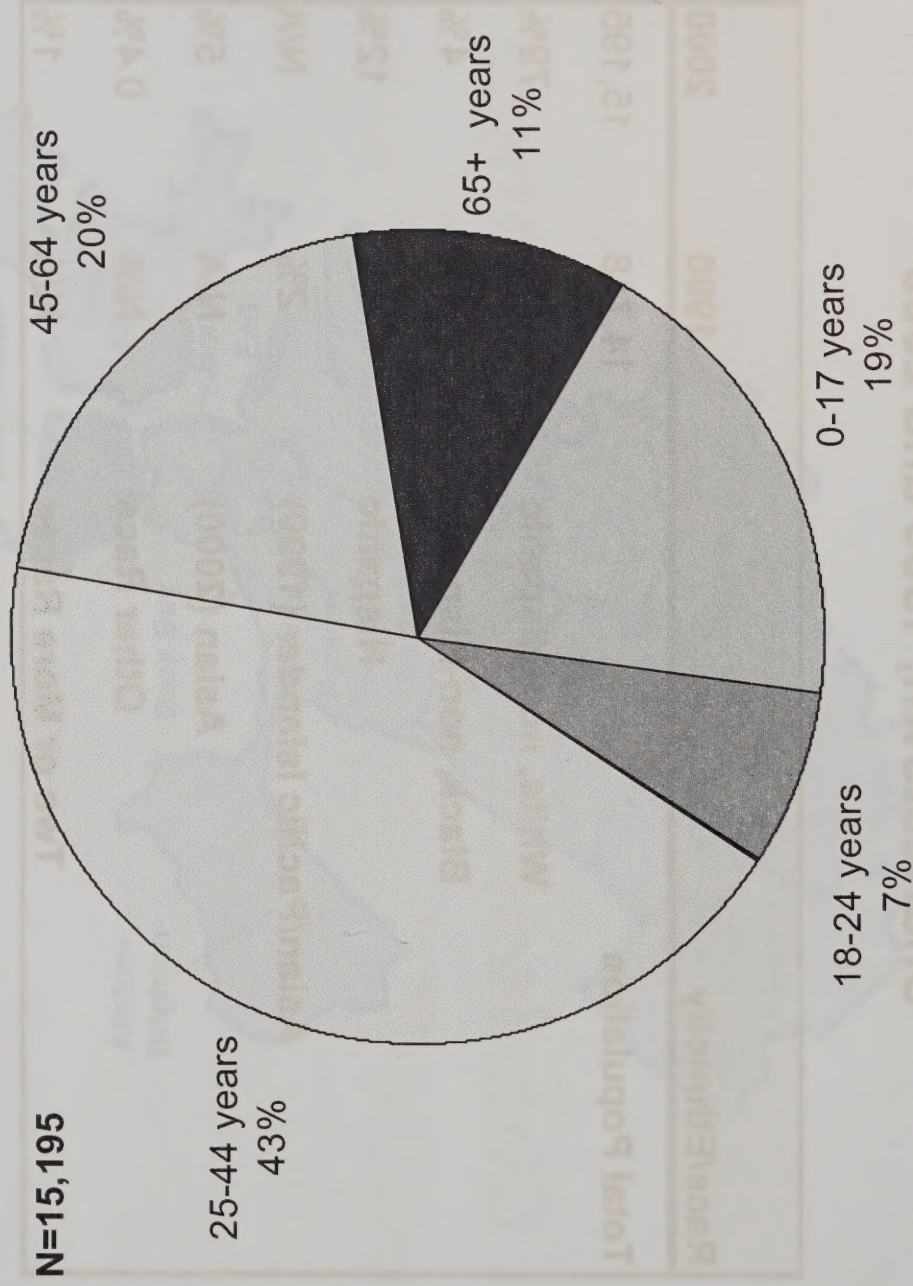
MAP PREPARATION:
Boston Public Health Commission
Research and Office

Population by Race/Ethnicity Charlestown, 1990 and 2000

Race/Ethnicity	1990	2000
Total Population	14,718	15,195
White, non-Hispanic	95%	79%
Black, non-Hispanic	1%	4%
Hispanic	2%	12%
Asian/Pacific Islander (1990)	2%	N/A
Asian (2000)	N/A	5%
Other Race	N/A	0.4%
Two or More Races	N/A	1%

DATA SOURCE: US Department of Commerce, Bureau of the Census, American Fact Finder, Census 2000
 DATA ANALYSIS: Boston Public Health Commission, Research Office

Charlestown Population by Age Boston, 2000



NOTE: Percentages do not total 100% due to rounding.
DATA SOURCE: US Department of Commerce, Bureau of the Census, American Fact Finder, Census 2000
DATA ANALYSIS: Boston Public Health Commission, Research Office

Selected Socioeconomic Indicators Boston Overall and Charlestown, 2000

Indicator	Boston Overall	Charlestown
Less than High School Graduation or GED (Adults Ages 25 and Over)	21%	13%
% of Population Below Poverty Level	20%	18%
% of Children (Under 18) Below Poverty Level*	26%	37%
% of Adults 65 and Older Below Poverty Level*	18%	15%
Median Household Income in 1999	\$39,629	\$56,145**

*Based on 1999 income

**Estimated median household income

DATA SOURCE: US Department of Commerce, Bureau of the Census, American Fact Finder, Census 2000, Summary File-Sample Data

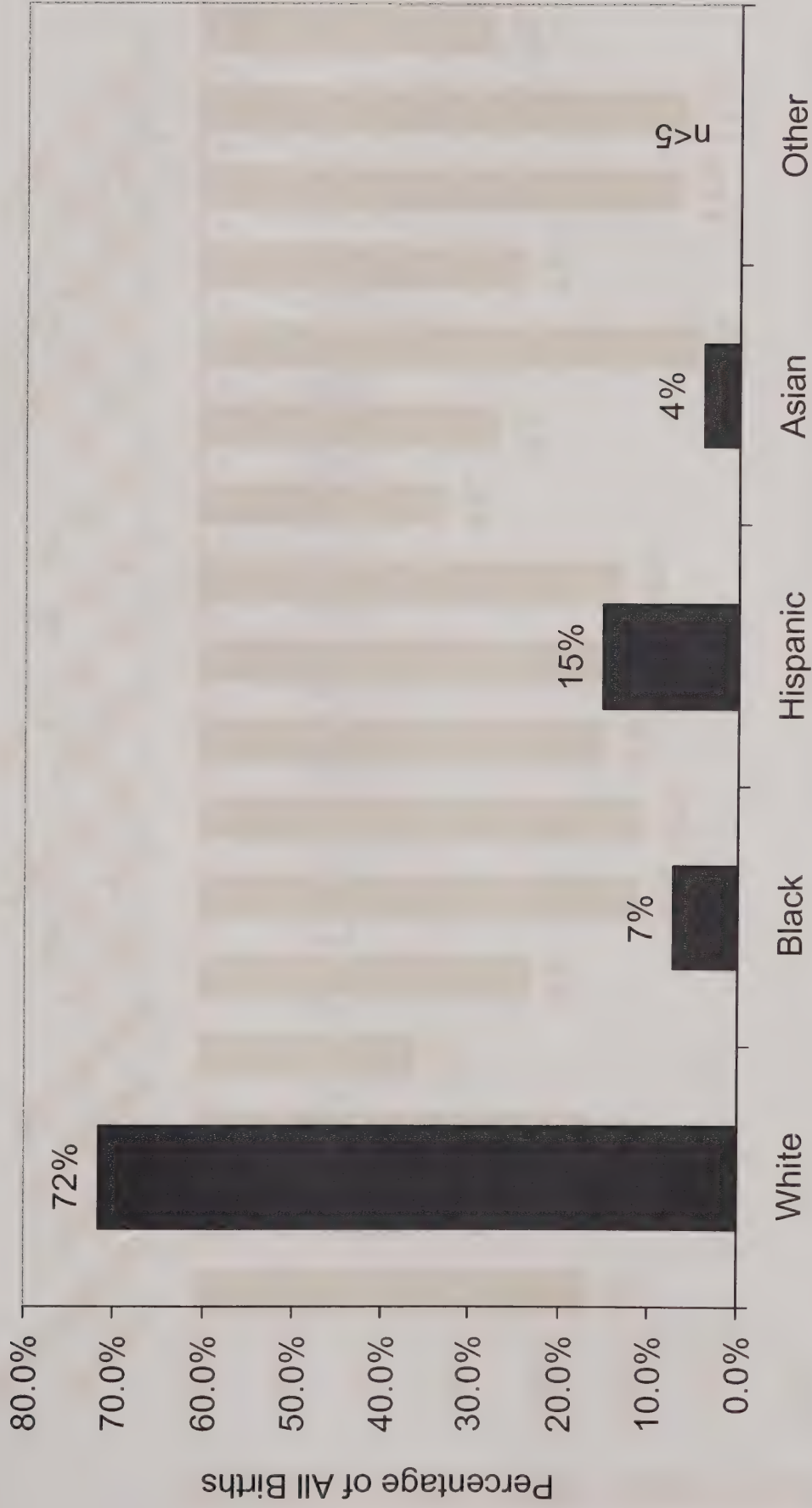
DATA ANALYSIS: Boston Public Health Commission, Research Office

Births in Charlestown

Indicator	Boston Overall	Charlestown
Median Household Income in 1999	\$28,058	\$28,142
% of Adults 25 and Older Below Poverty Level	18%	12%
% of Children (Under 18) Below Poverty Level	30%	31%
% of Population Below (Adults Ages 25 and Older) Less than High School Graduation or GED	51%	48%
		13%

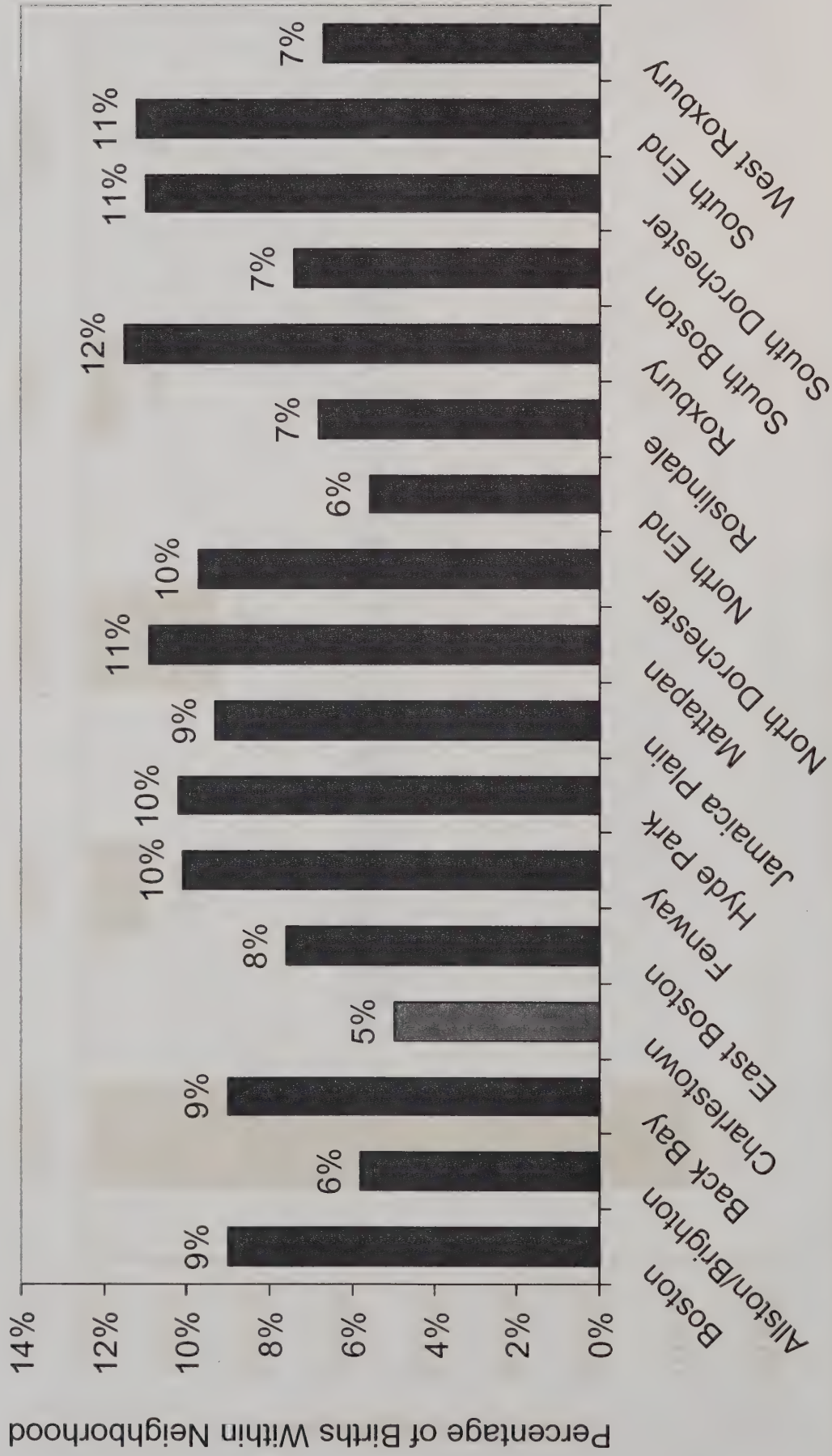
Boston Overall and Charlestown's 5000 Selected Socioeconomic Indicators

Births by Race/Ethnicity Charlestown, 2000



DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health
DATA ANALYSIS: Boston Public Health Commission, Research Office

Low Birthweight Births by Neighborhood Boston, 2000



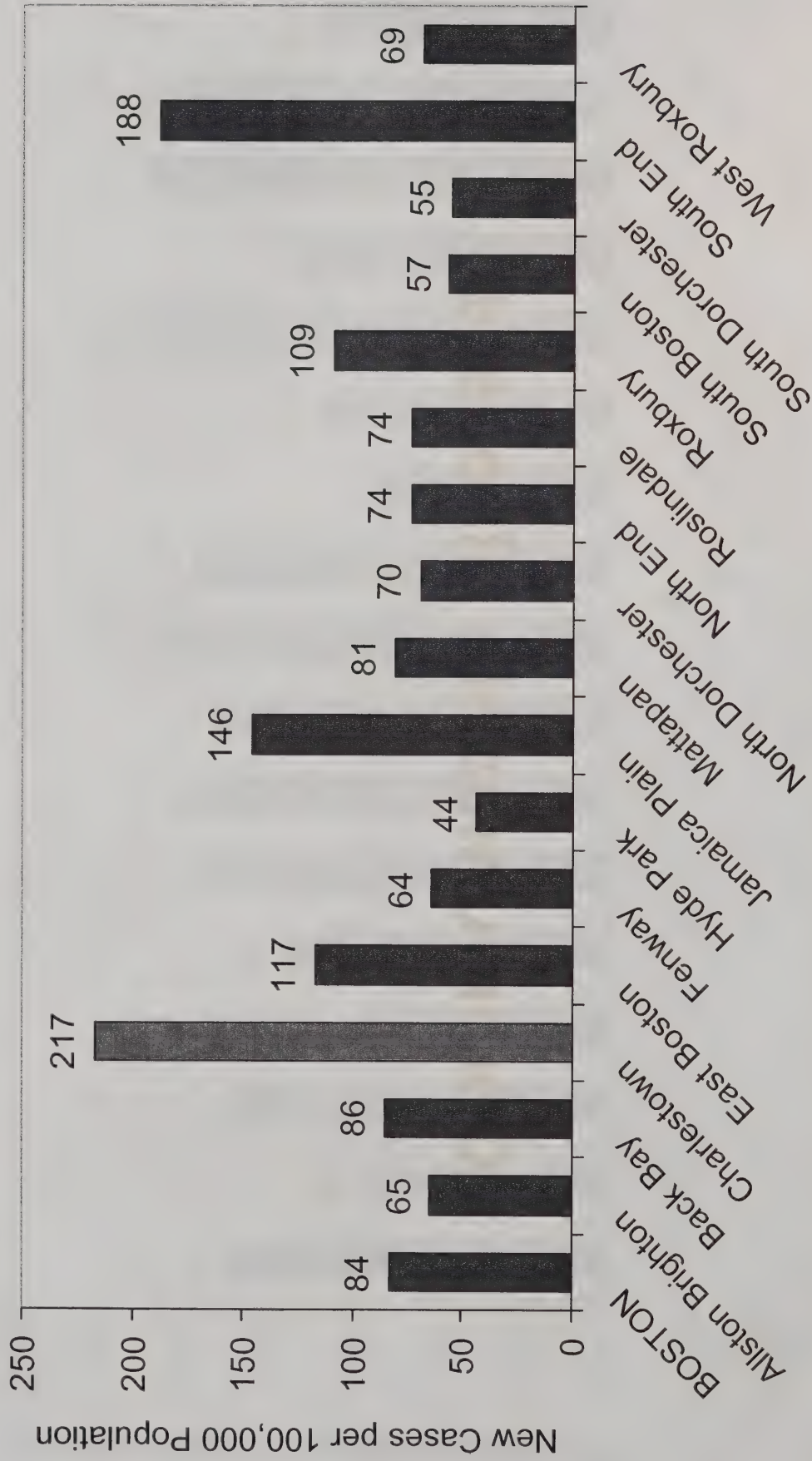
*South End data do not include data for Chinatown.

DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office

Communicable Diseases

Enteric Disease* Incidence Rates by Neighborhood Boston, 2000



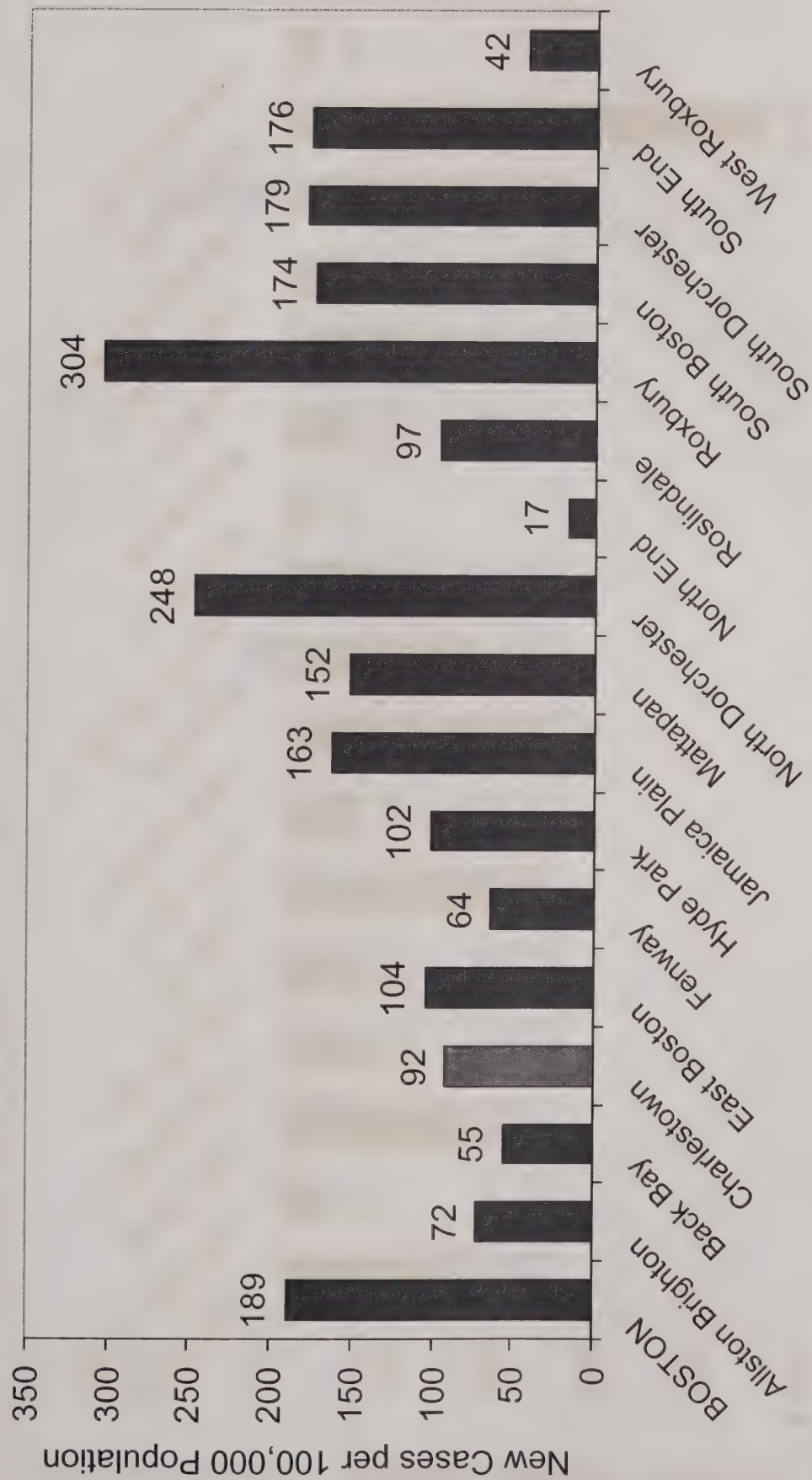
*Enteric Diseases include Salmonellosis, Shigellosis, Campylobacter, Giardiasis, and Amebiasis.

DATA SOURCE: Communicable Disease Database, Boston Public Health Commission, Communicable Disease Control Division. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Communicable Disease Control Division

GRAPHIC: Boston Public Health Commission, Research Office

Hepatitis C Incidence Rates by Neighborhood Boston, 2000



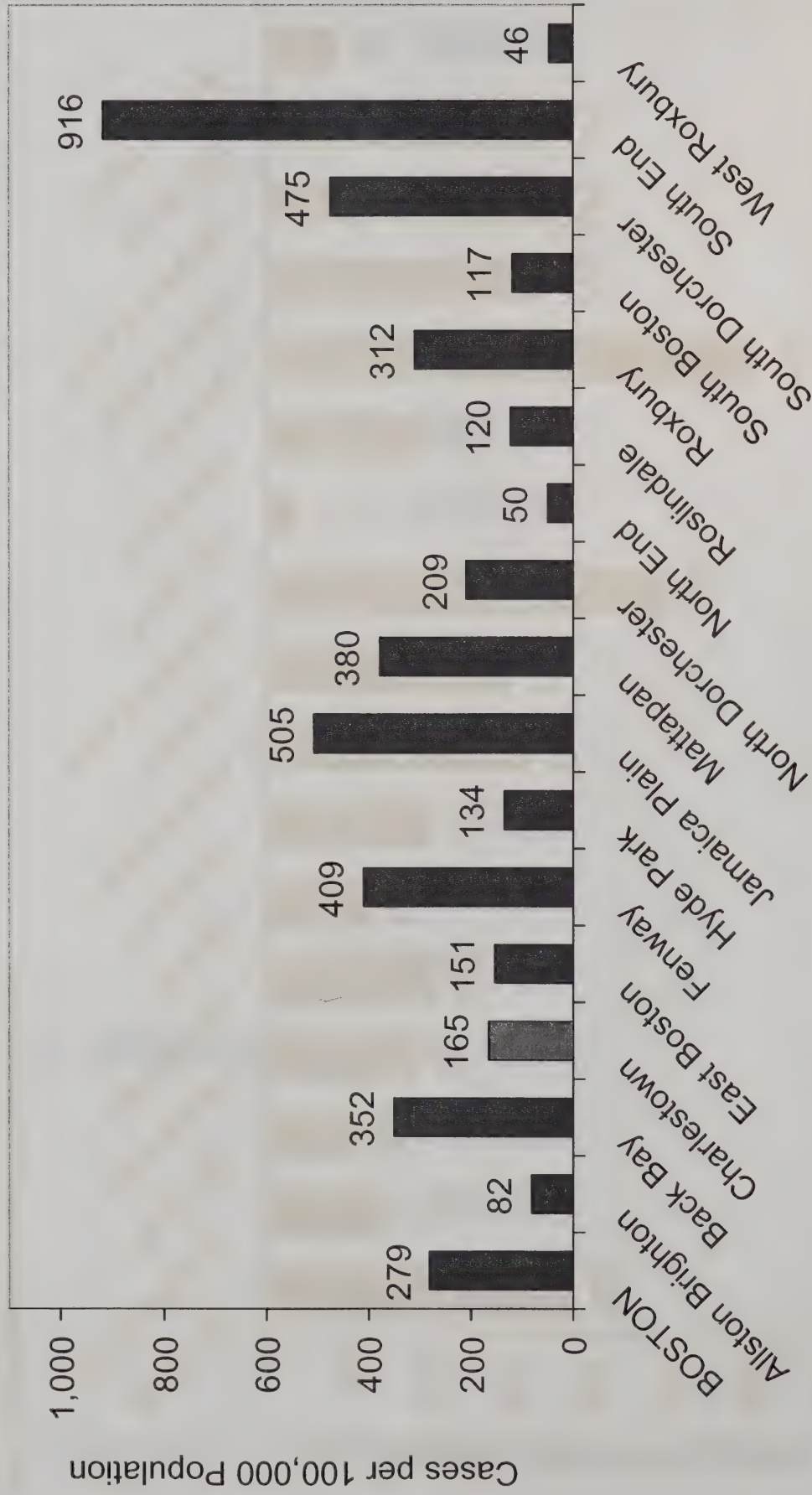
NOTE: Cases reflect year of report, not year of diagnosis.

DATA SOURCE: Communicable Disease Database, Boston Public Health Commission, Communicable Disease Control Division. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Communicable Disease Control Division

GRAPHIC: Boston Public Health Commission, Research Office

Cumulative HIV* Incidence Rates by Neighborhood As of May 1, 2002



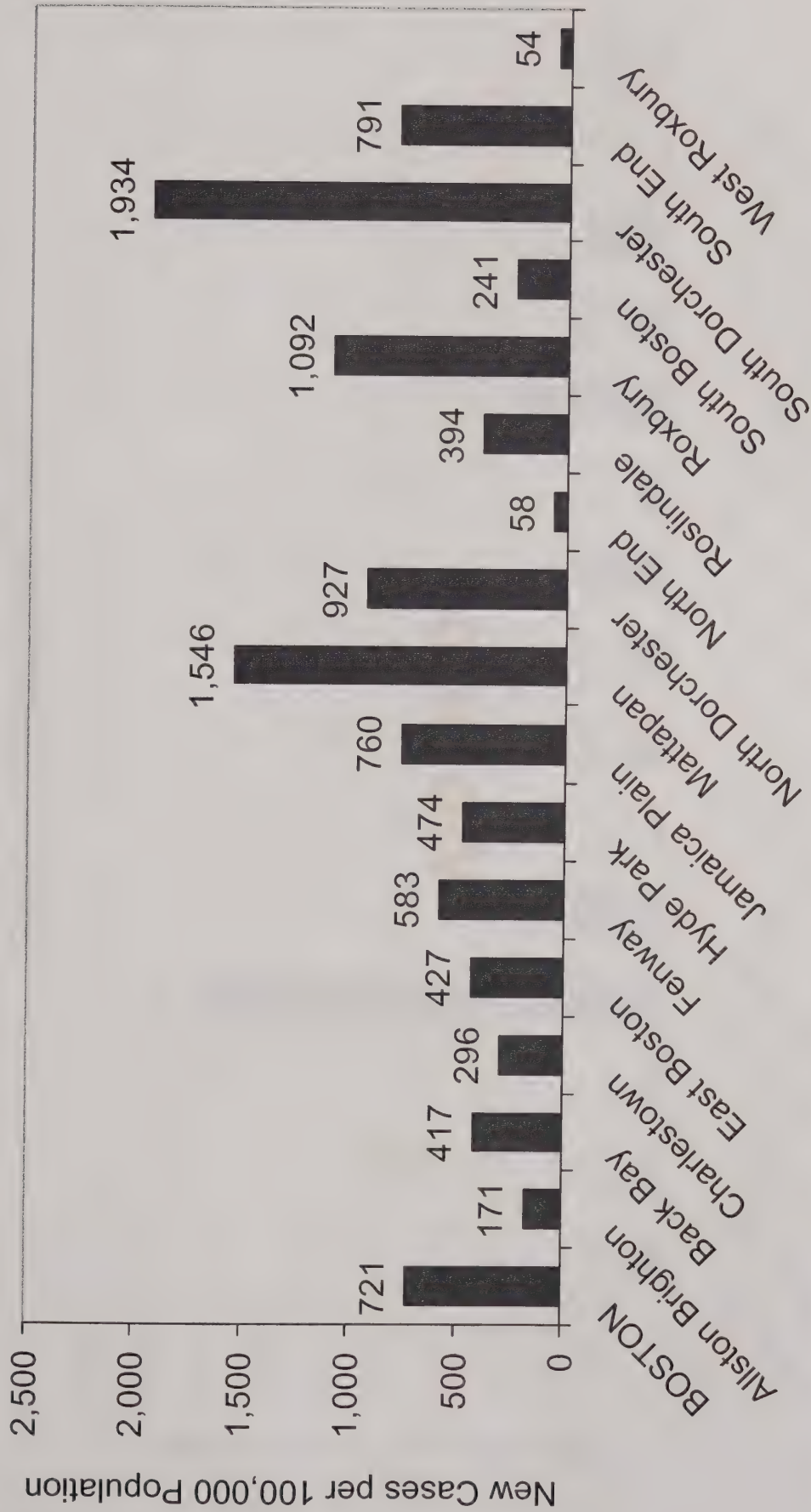
*HIV refers to HIV Alive Cases defined by the Massachusetts Department of Public Health.

DATA SOURCE: AIDS Reporting System Data, Massachusetts Department of Public Health, Bureau of Communicable Disease Control, AIDS Surveillance Program. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Communicable Disease Control Division

GRAPHIC: Boston Public Health Commission, Research Office

Sexually Transmitted Disease* Incidence Rates by Neighborhood Boston, 2000



*Sexually Transmitted Diseases include Chlamydia, Syphilis, and Gonorrhea.

DATA SOURCE: Selected STDs for Boston Report, Massachusetts Department of Public Health, STD Division. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Communicable Disease Control Division

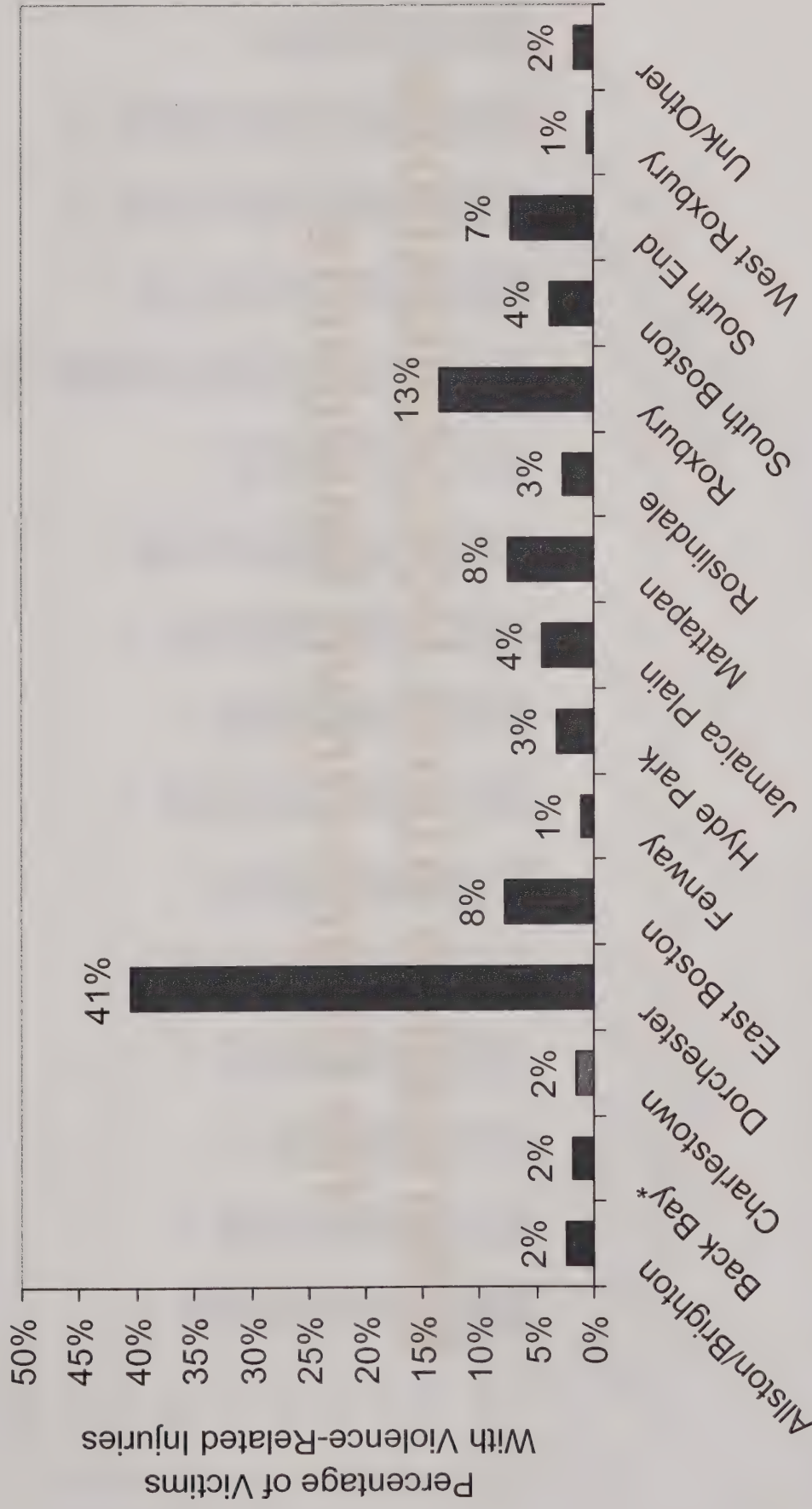
GRAPHIC: Boston Public Health Commission, Research Office

Violence

Victims of Violence-Related Gunshot and Sharp Instrument Injuries

By Neighborhood

Boston 1998-2001



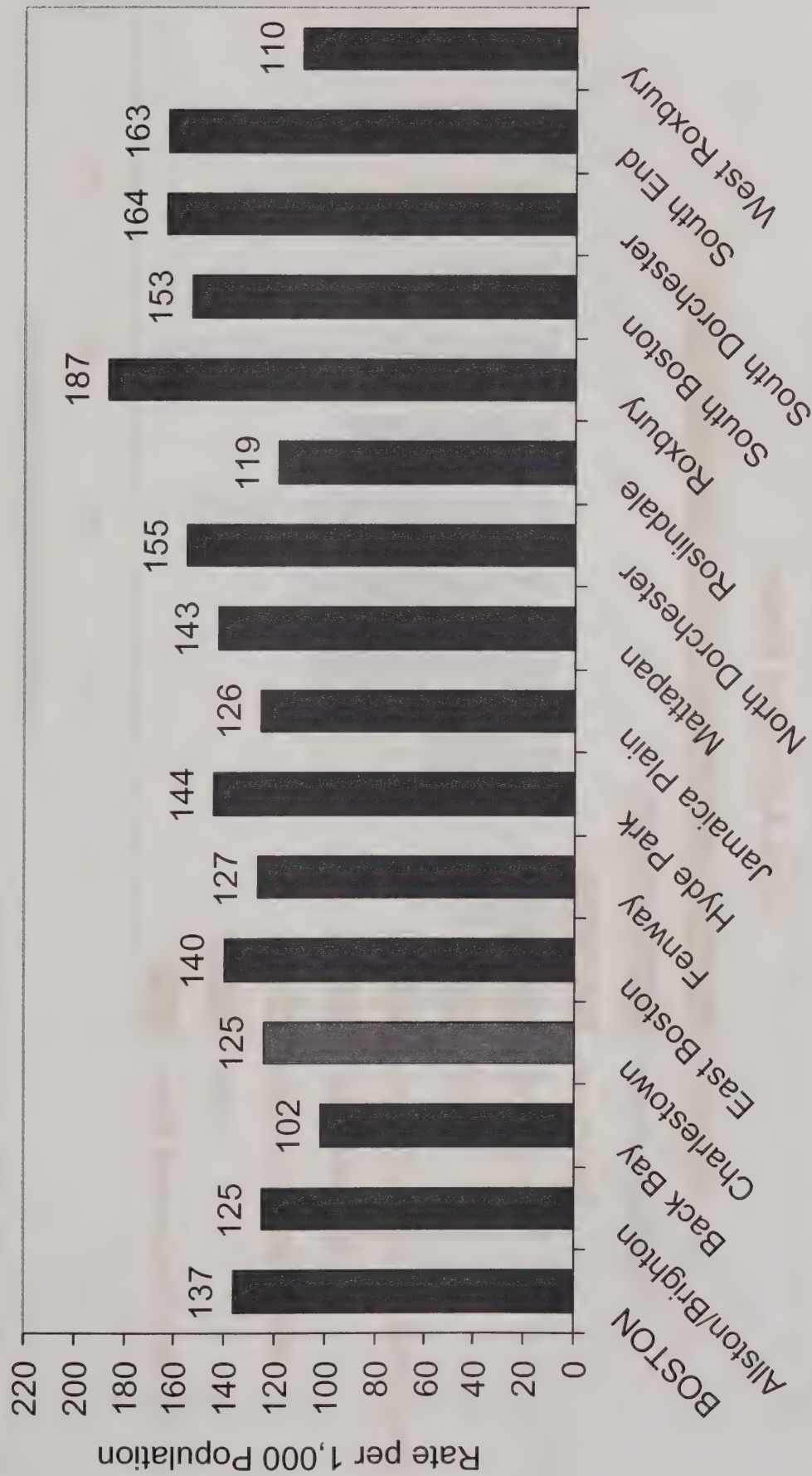
*Includes the North End

DATA SOURCE: Weapons-Related Injury Surveillance System (SP), Massachusetts Department of Public Health

DATA ANALYSIS: Boston Public Health Commission, Research Office

Information About Hospitalizations for Charlestown Residents

Hospitalization Age-Adjusted Rates by Neighborhood Boston, 2000

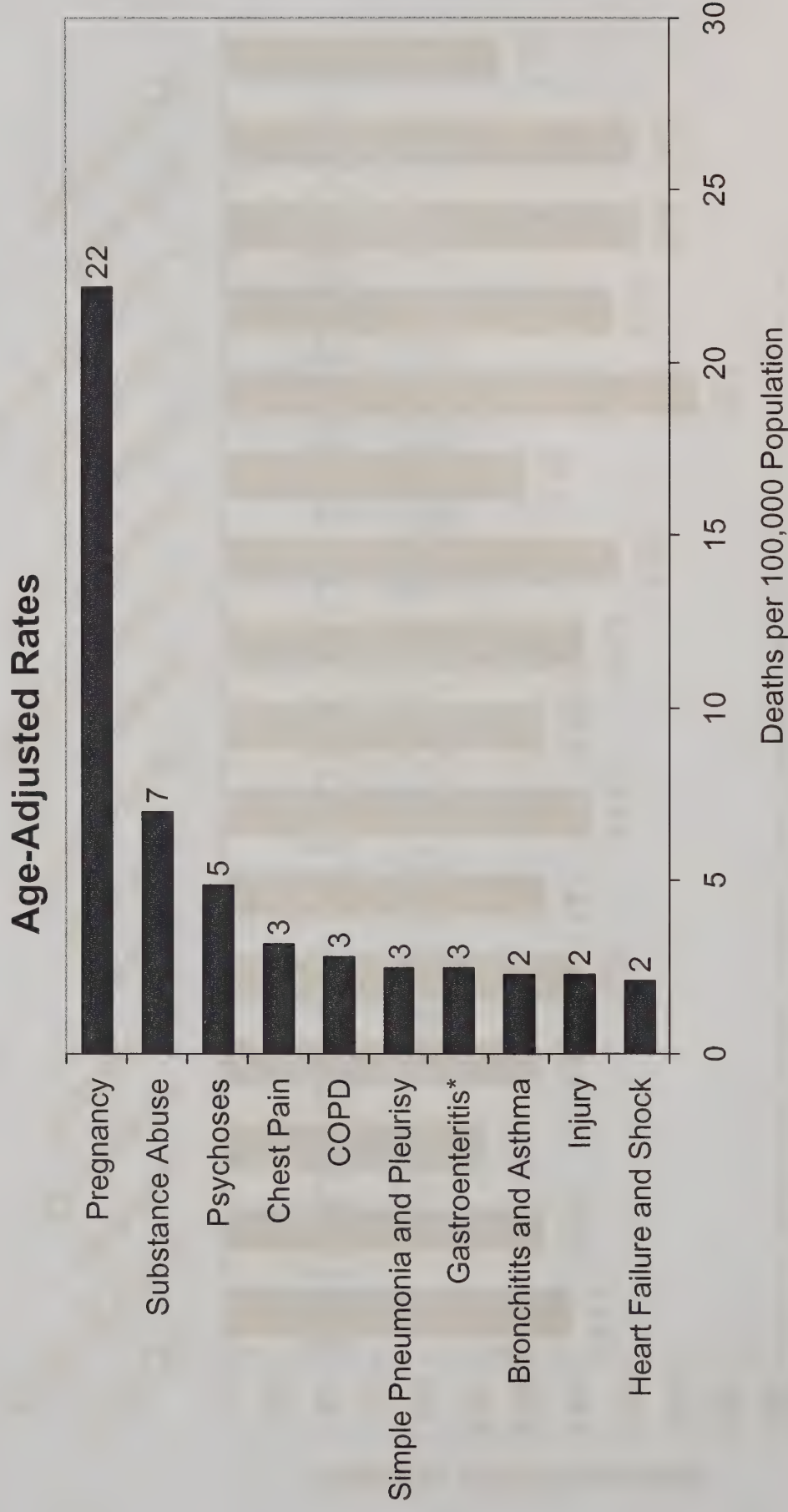


NOTE: North End data have been incorporated with Back Bay data.

DATA SOURCE: 1997-2000 Acute Case Mix, Massachusetts Division of Health Care Finance and Policy. Rates are calculated using the US 2000 Census for resident population by zip code.

DATA ANALYSIS: Boston Public Health Commission, Research Office.

Leading Causes of Hospitalization Charlestown, 2000



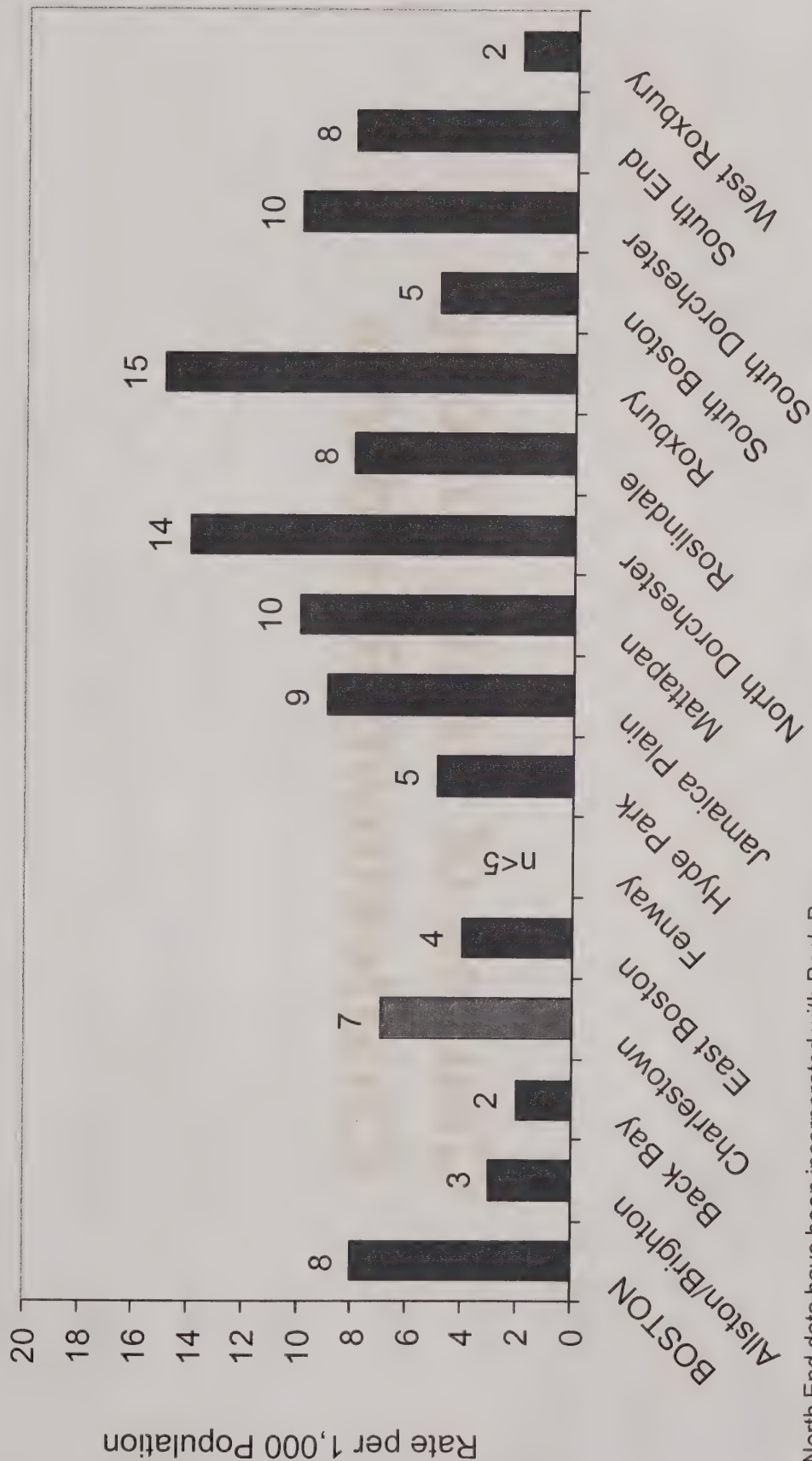
*Also includes esophagitis and miscellaneous digestive disorders

NOTE: These rates are age-adjusted to the 2000 US standard population; newborns have been excluded.

DATA SOURCE: 1997-2000 Acute Case Mix, Massachusetts Division of Health Care Finance and Policy. Rates are calculated using the US 2000 Census for resident population by zip code.

DATA ANALYSIS: Boston Public Health Commission, Research Office.

Asthma Hospitalization Average Annual Rates Children Under Age 5 by Neighborhood,* Boston, 1999-2000



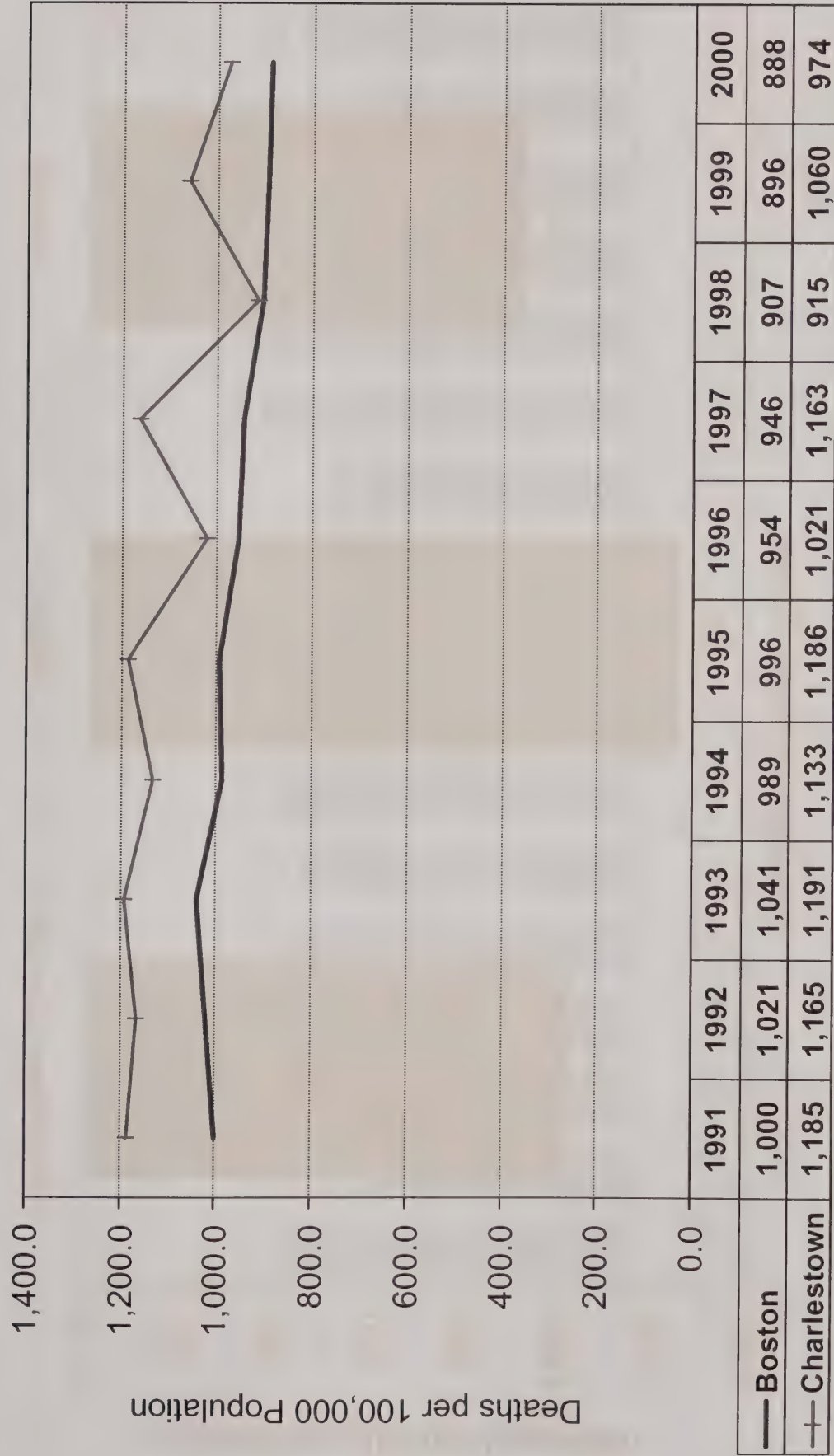
*North End data have been incorporated with Back Bay.

DATA SOURCE: 1997-2000 Acute Case Mix, Massachusetts Division of Health Care Finance and Policy. Rates are calculated using the US 2000 Census for resident population by zip code.

DATA ANALYSIS: Boston Public Health Commission, Research Office

Causes of Death Among Charlestown Residents

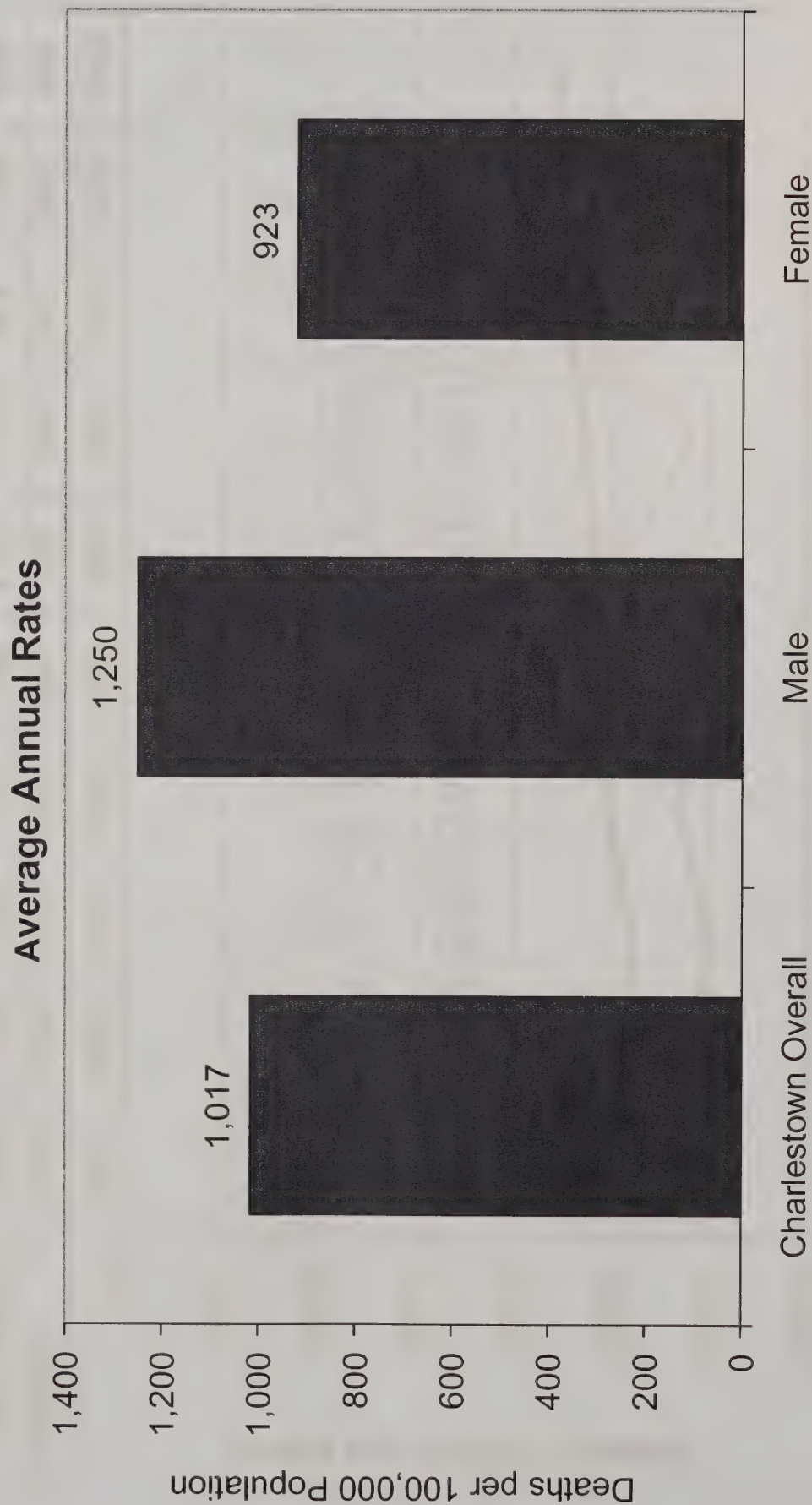
Overall Mortality Age-Adjusted Rates, Charlestown and Boston, 1991-2000



DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using resident population estimates from MISER for 1991-1998, Massachusetts Department of Public Health 1999 Preliminary Population Estimates, and the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office

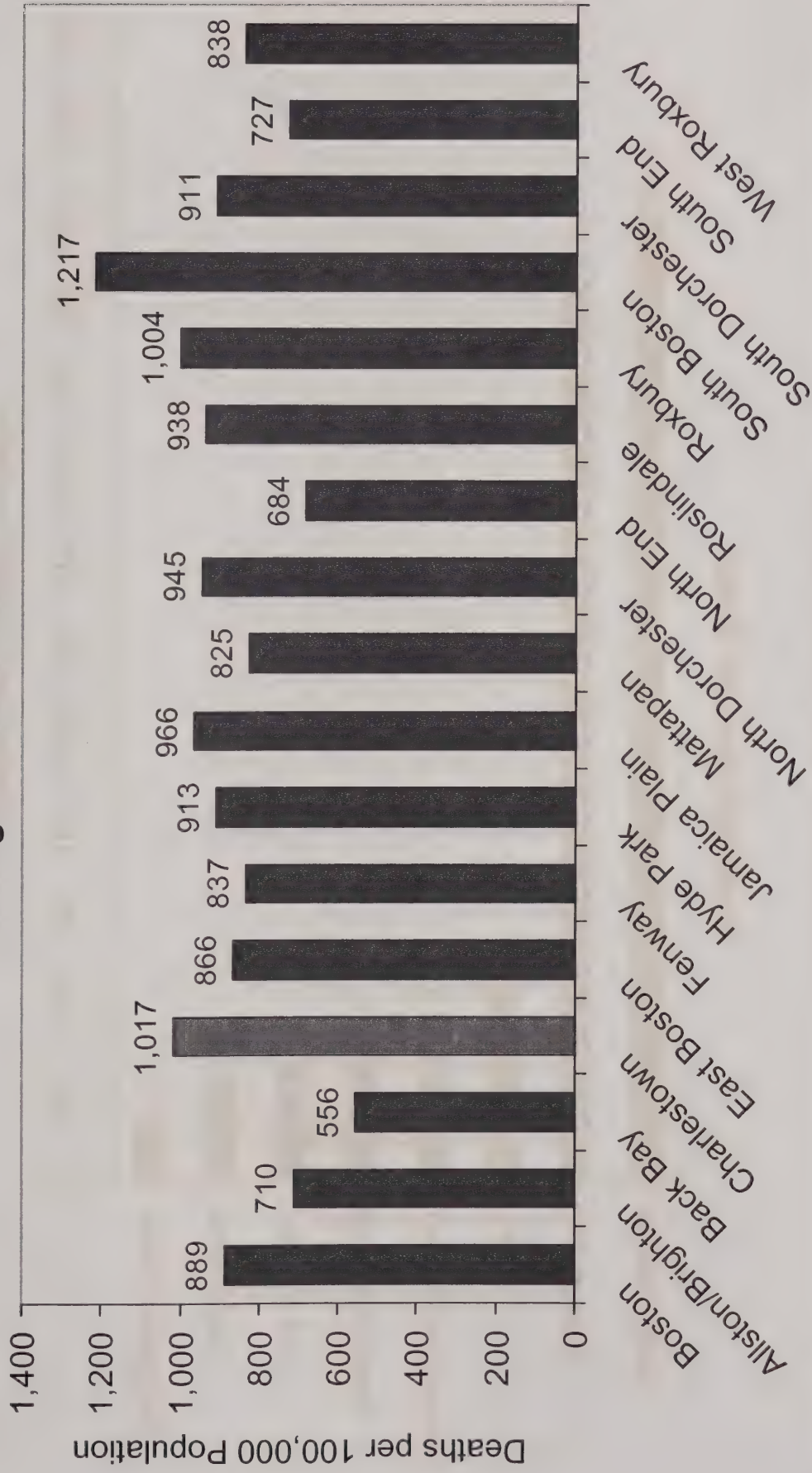
Overall Mortality Age-Adjusted Rates by Sex Charlestown, 1999-2000



DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.
DATA ANALYSIS: Boston Public Health Commission, Research Office

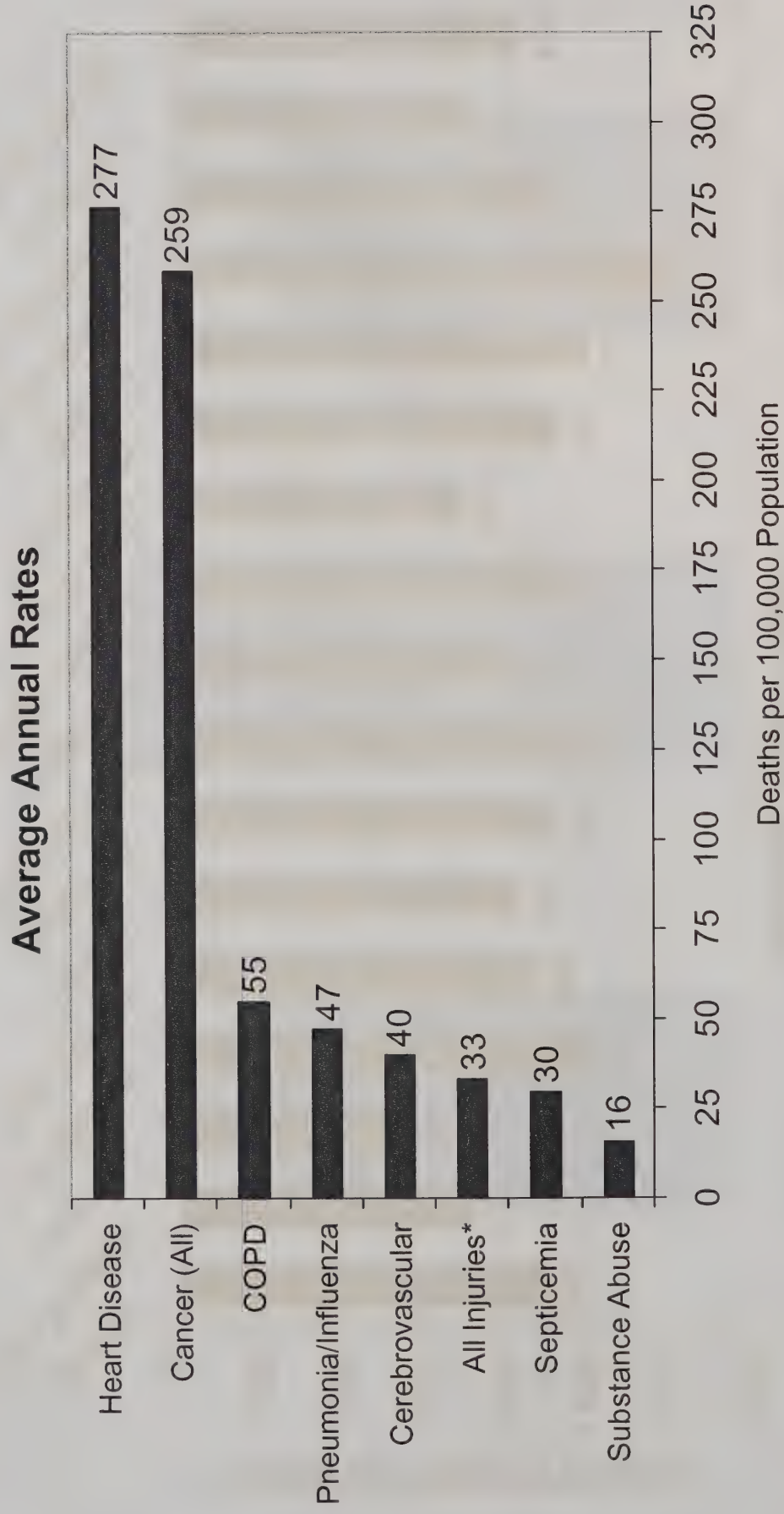
Overall Mortality Age-Adjusted Rates by Neighborhood Boston, 1999-2000

Average Annual Rates



DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.
DATA ANALYSIS: Boston Public Health Commission, Research Office

Leading Causes of Death Age-Adjusted Rates Charlestown, 1999-2000

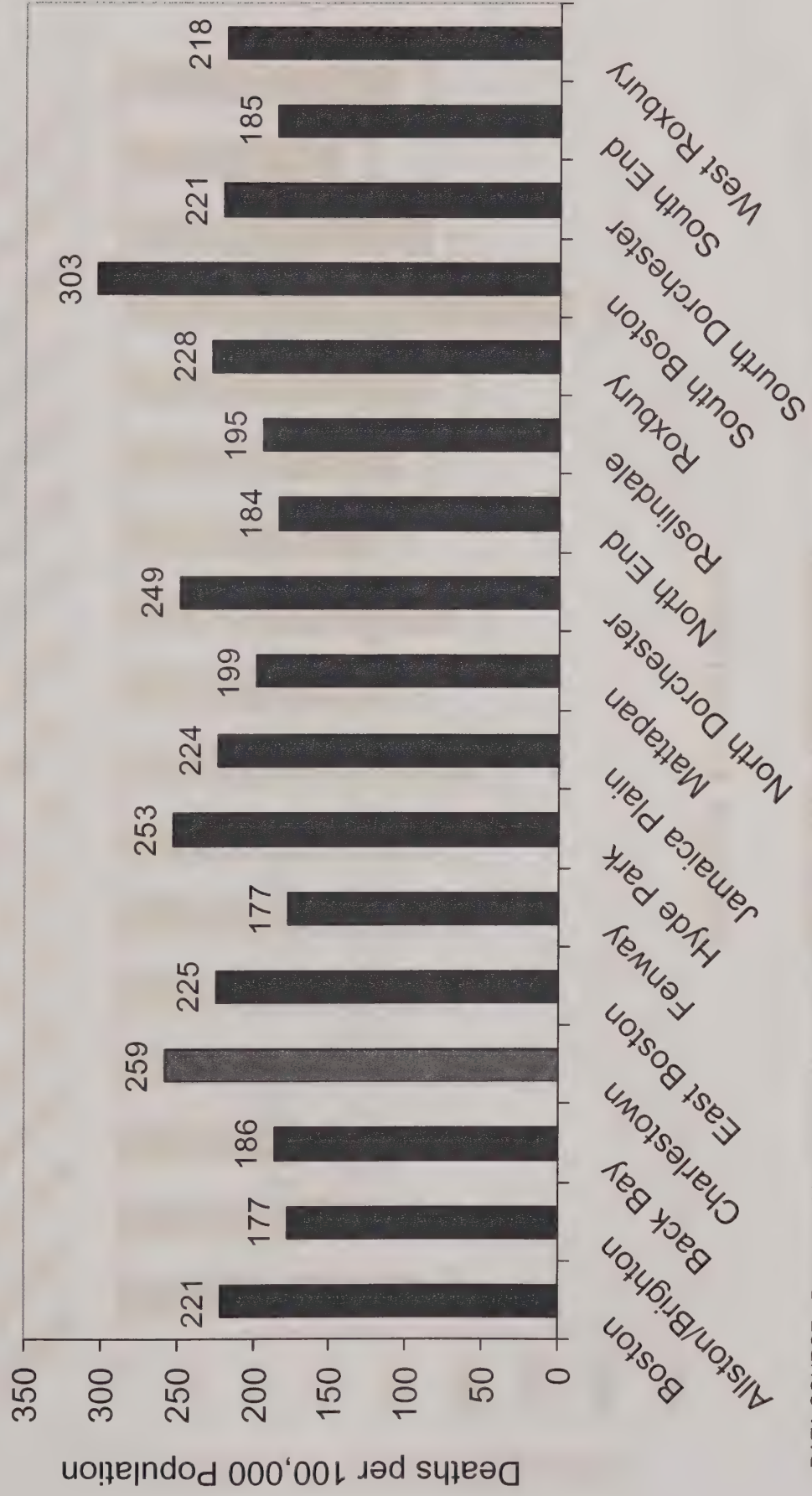


*Deaths due to all injuries combined include unintentional deaths (accidents, motor vehicle related), intentional deaths (homicide and suicide), and injuries with intent unknown at the time when the death certificate was issued.

DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.
DATA ANALYSIS: Boston Public Health Commission, Research Office

Cancer Mortality Age-Adjusted Rates by Neighborhood Boston, 1999-2000

Average Annual Rates

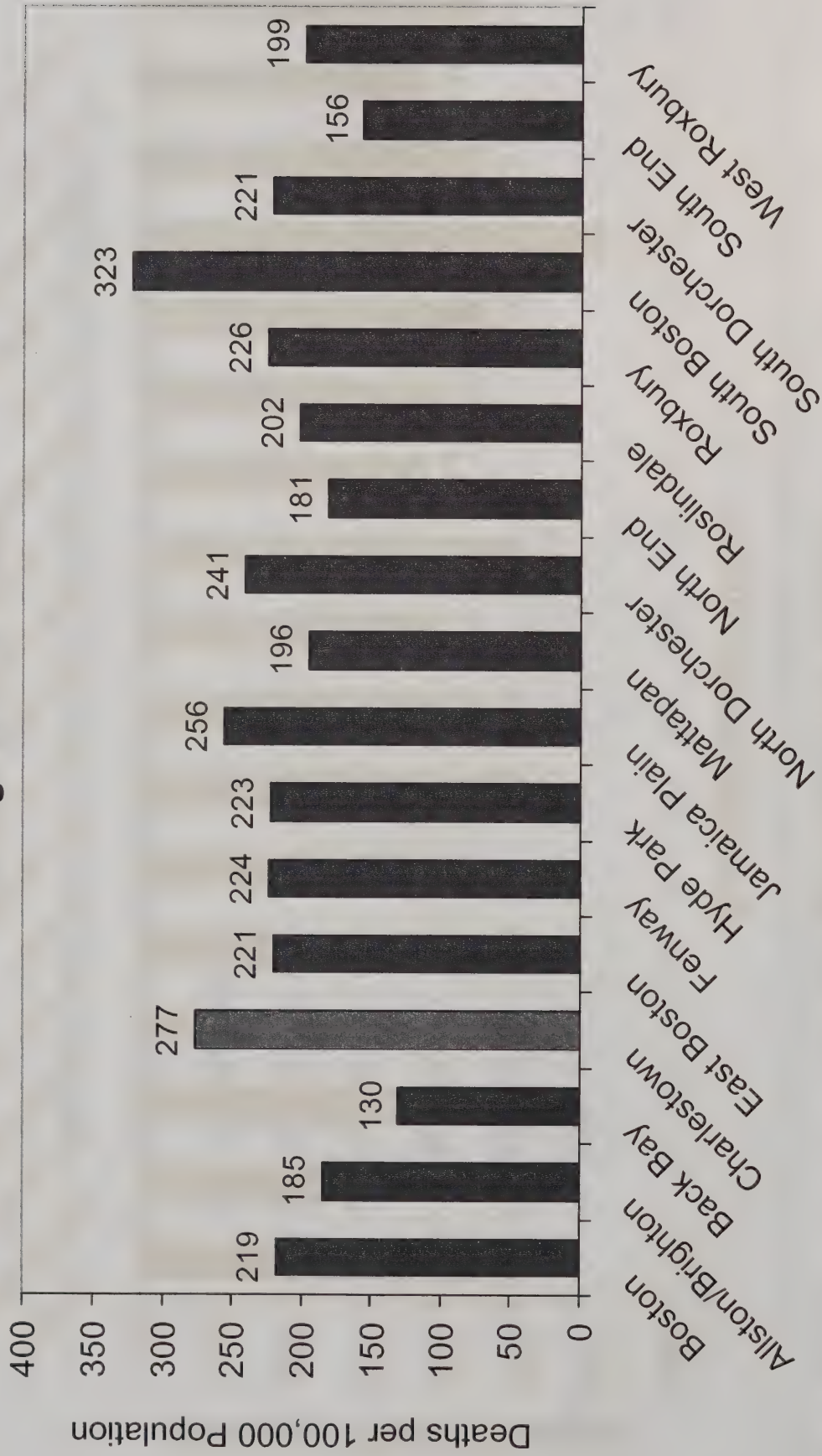


DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office

Heart Disease Mortality Age-Adjusted Rates by Neighborhood Boston, 1999-2000

Average Annual Rates

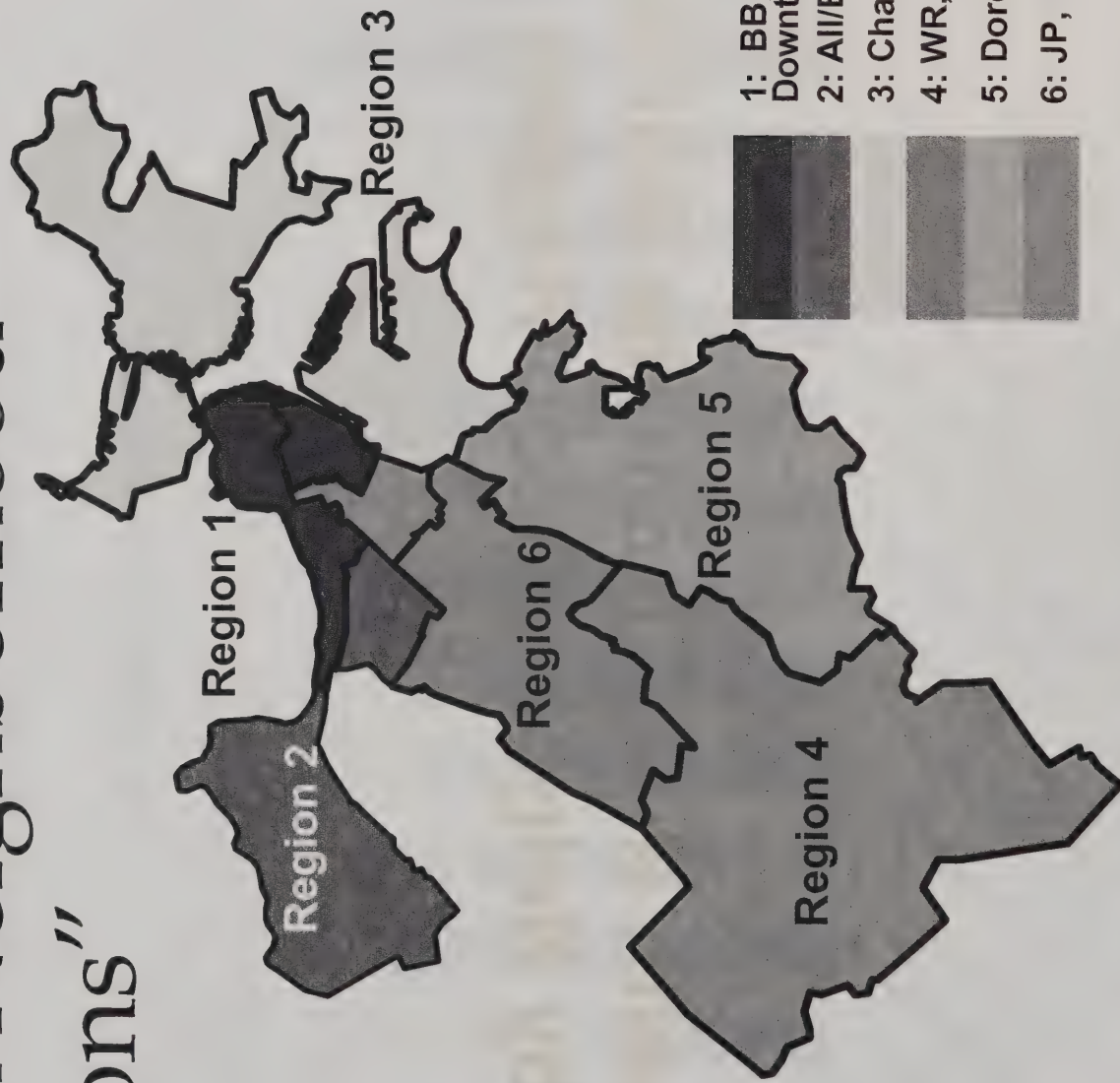


DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

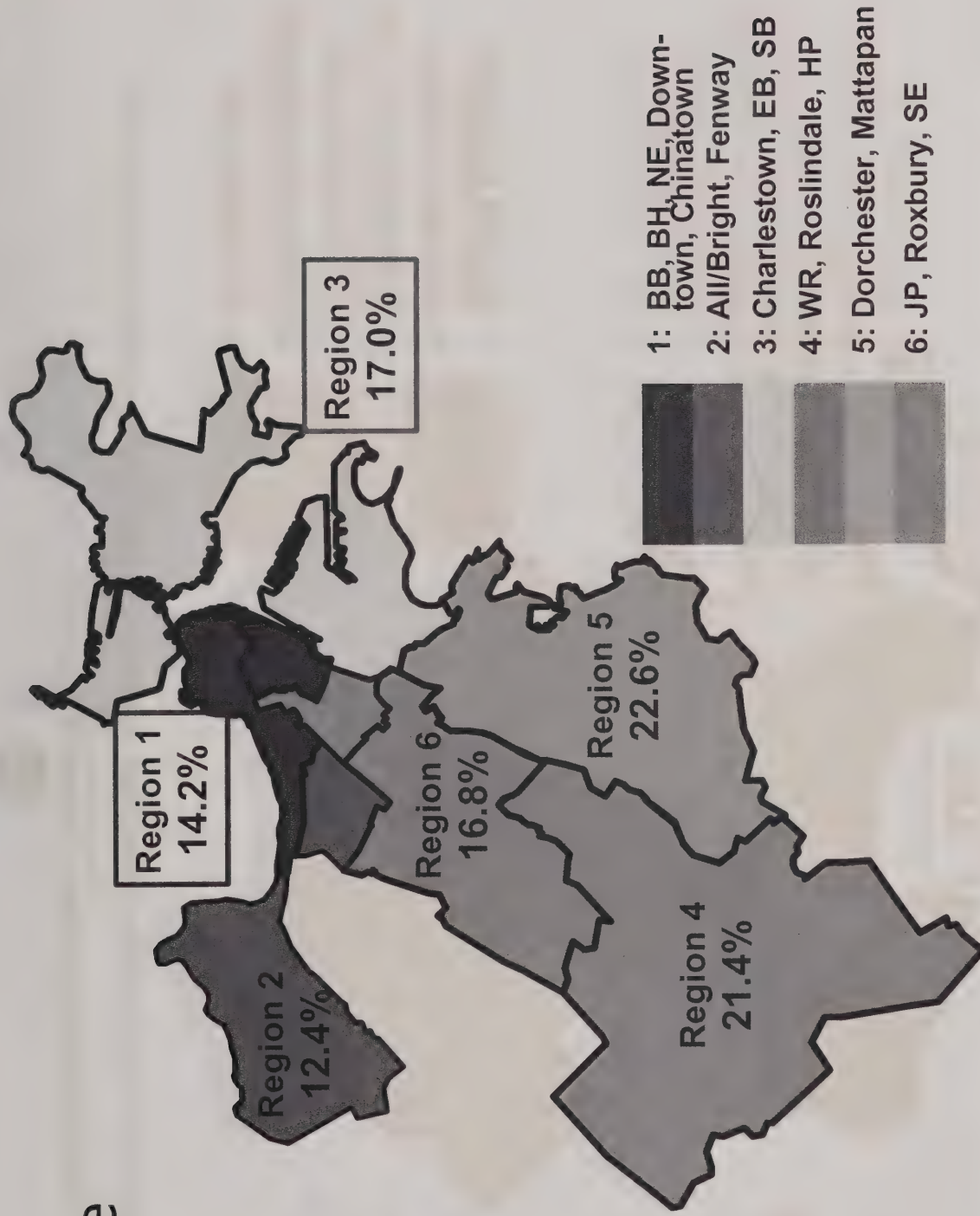
DATA ANALYSIS: Boston Public Health Commission, Research Office

Health Risks from the BRFSS by Neighborhood Region

Boston Neighborhood "Regions"

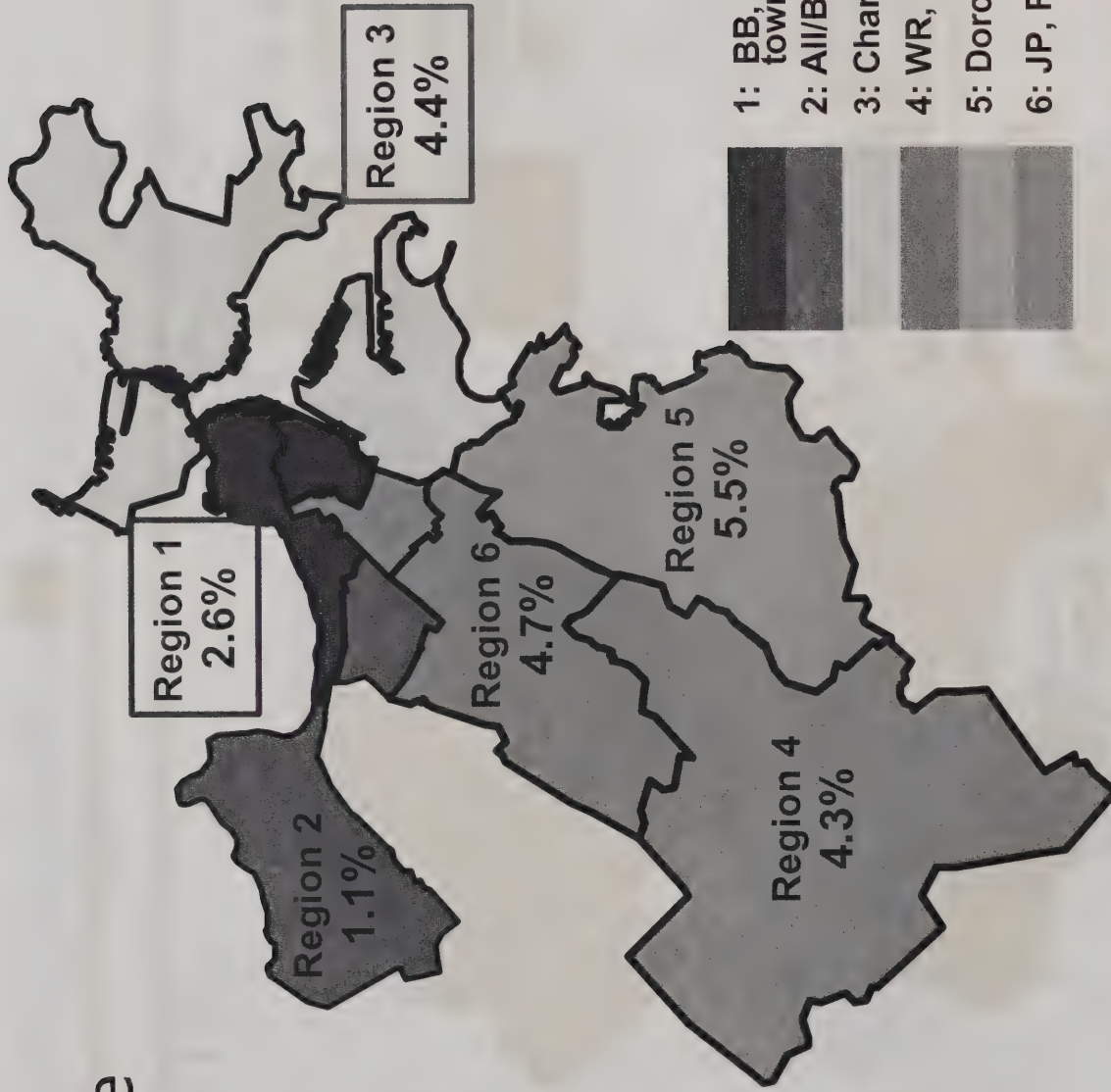


Percentage of Boston Adults Ever Diagnosed with High Blood Pressure



DATA SOURCE: Behavioral Risk Factor Surveillance System, 1999, Massachusetts Department of Public Health and Boston Public Health Commission
 MAP PREPARATION: Boston Public Health Commission, Research Office

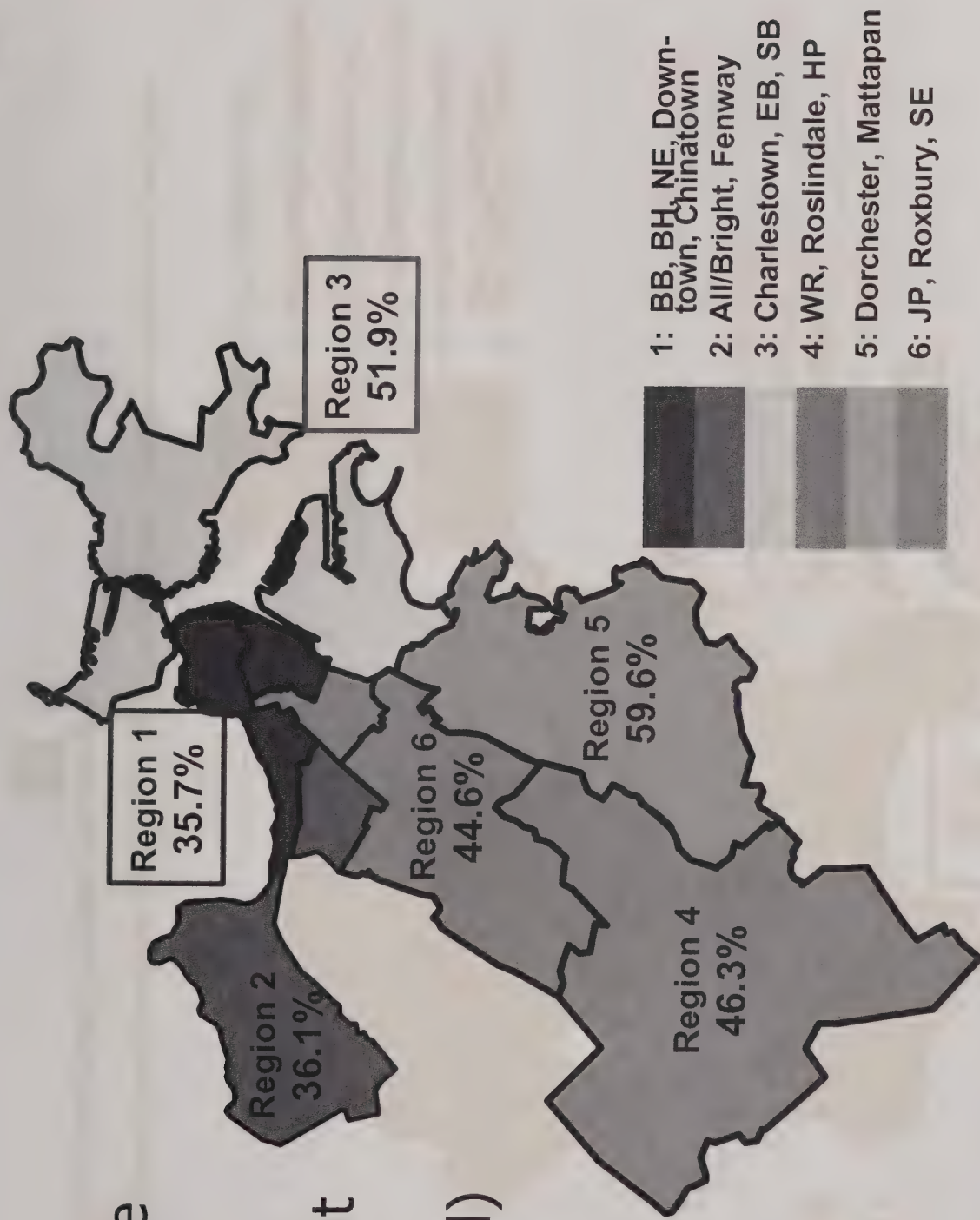
Percentage of Boston Adults Ever Diagnosed with Diabetes



- 1: BB, BH, NE, Downtown, Chinatown
- 2: All/Bright, Fenway
- 3: Charlestown, EB, SB
- 4: WR, Roslindale, HP
- 5: Dorchester, Mattapan
- 6: JP, Roxbury, SE

DATA SOURCE: Behavioral Risk Factor Surveillance System, 1998-1999, Massachusetts Department of Public Health and Boston Public Health Commission
 MAP PREPARATION: Boston Public Health Commission, Research Office

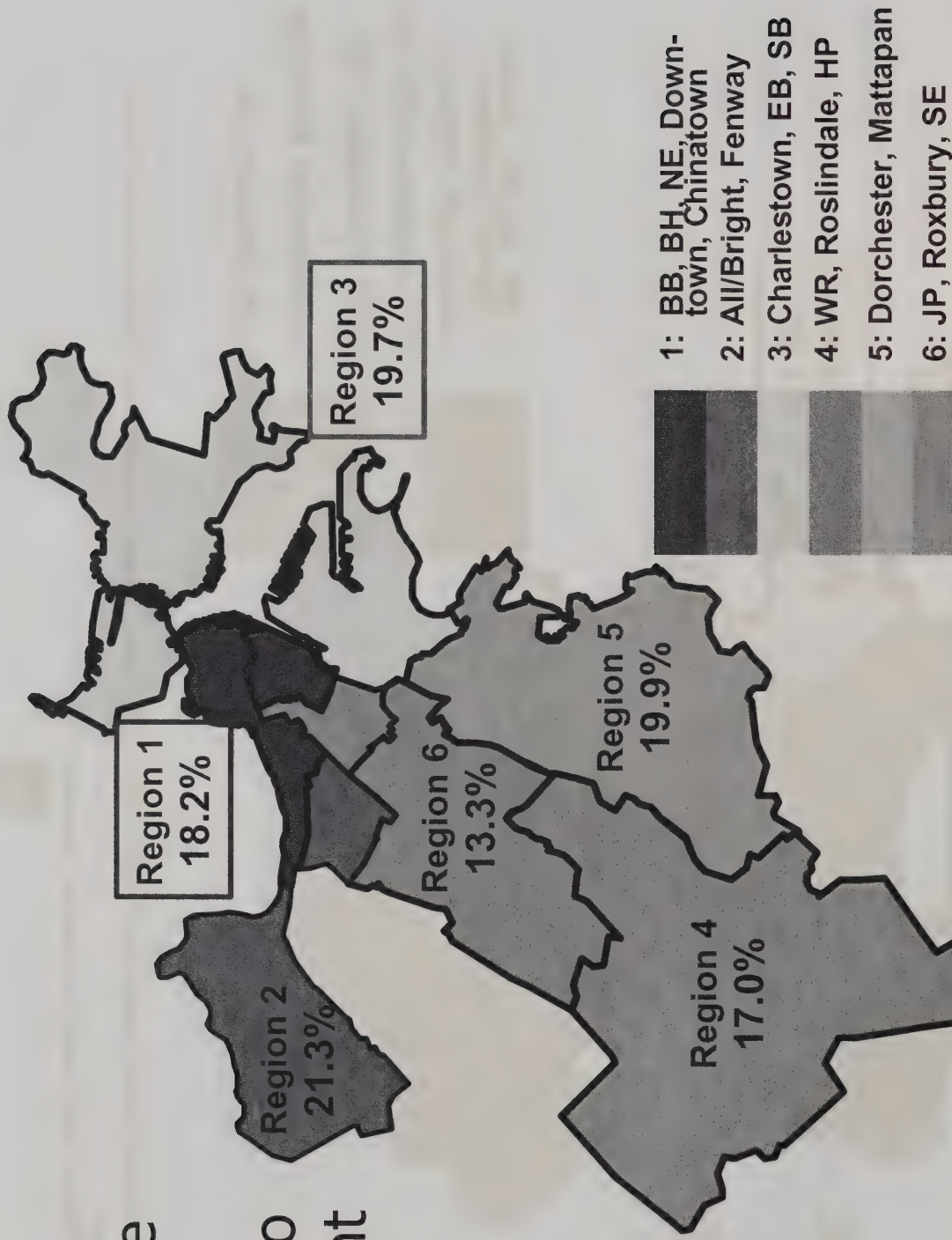
Percentage of Boston Adults Overweight or Obese (Combined)



DATA SOURCE: Behavioral Risk Factor Surveillance System, 1998-1999, Massachusetts Department of Public Health and Boston Public Health Commission

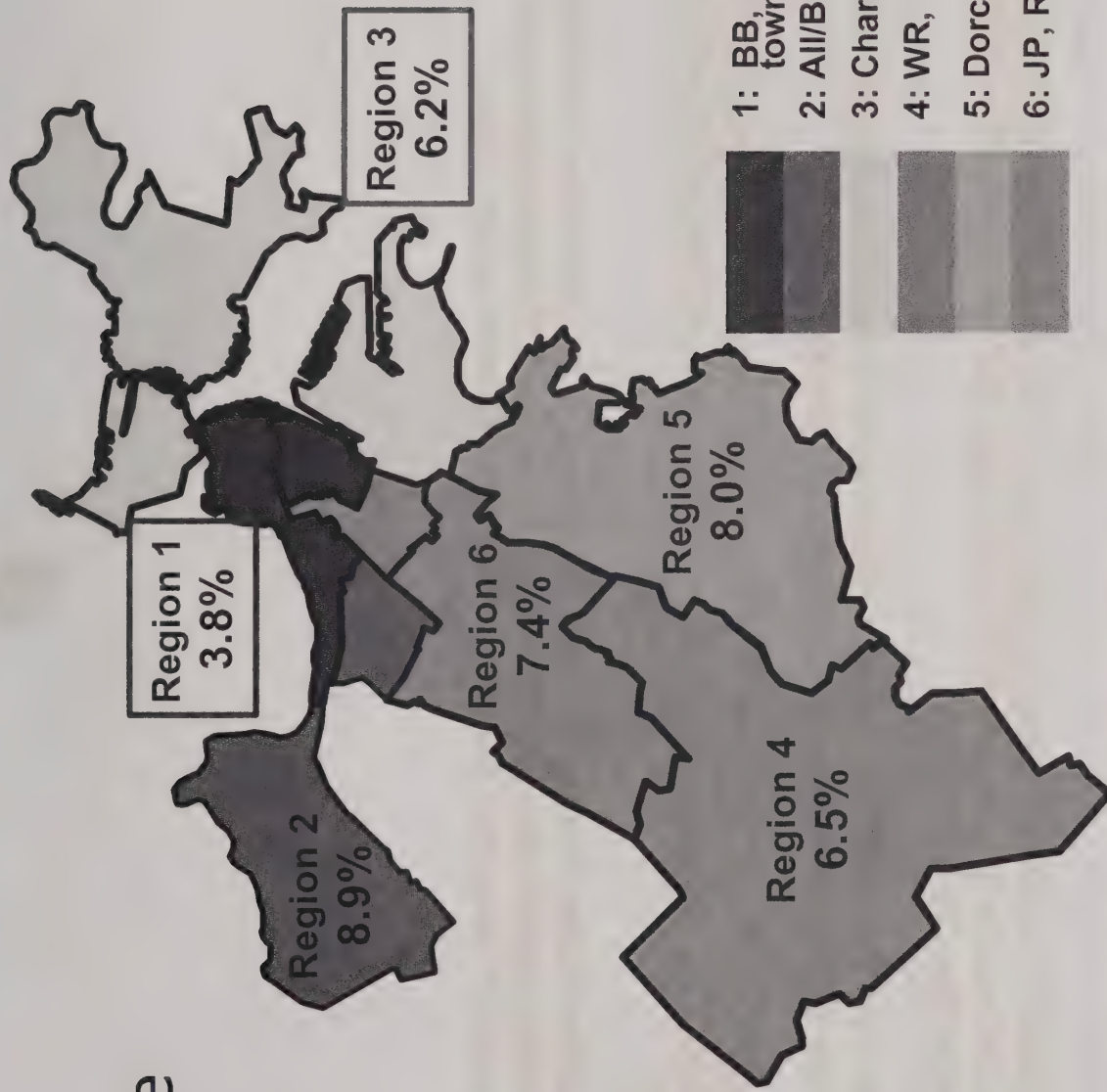
MAP PREPARATION: Boston Public Health Commission, Research Office

Percentage of Boston Adults Who Are Current Smokers



DATA SOURCE: Behavioral Risk Factor Surveillance System, 1998-1999, Massachusetts Department of Public Health and Boston Public Health Commission
 MAP PREPARATION: Boston Public Health Commission, Research Office

Percentage of Boston Adults Who Are Uninsured



- 1: BB, BH, NE, Downtown, Chinatown
- 2: All/Bright, Fenway
- 3: Charlestown, EB, SB
- 4: WR, Roslindale, HP
- 5: Dorchester, Mattapan
- 6: JP, Roxbury, SE

DATA SOURCE: Behavioral Risk Factor Surveillance System, 1998-1999, Massachusetts Department of Public Health and Boston Public Health Commission
 MAP PREPARATION: Boston Public Health Commission, Research Office

CHARLESTOWN: SUMMARY of MAJOR FINDINGS

Low Birthweight Births: The low birthweight (LBW) rate for Charlestown (5%) in 2000 was 44% less than the LBW rate for Boston overall (9%) and meets the national Healthy People 2010 target of no more than 5% LBW births.

Mortality: Between 1991 and 2000, the overall mortality rate for Charlestown declined !8%, from 1,185 deaths per 100,000 population to 974 deaths per 100,000.

Cumulative HIV Incidence Rate: As of May 1, 2002, the cumulative HIV incidence rate for Charlestown (165 cases per 100,000 population) was 41% lower than the rate for Boston (279 cases per 100,000).

Asthma Hospitalization Rates Among Children Under Age 5: In Charlestown, for the period 1999-2000, the asthma hospitalization rate for children under age 5 (7 hospitalizations per 1,000 population) was 13% lower than the Boston rate (8 hospitalizations per 1,000).

Challenges

Enteric Disease Incidence Rate: In 2000, the enteric disease incidence rate for Charlestown (217 new cases per 100,000 population) was the highest among Boston neighborhoods and 2.5 times the overall Boston rate (84 new cases per 100,000).

Cancer Mortality: During the period 1999-2000, the cancer mortality age-adjusted rate for Charlestown (259 deaths per 100,000 population) was 17% higher than the Boston rate (221 deaths per 100,000).

Heart Disease Mortality: During 1999-2000, the heart disease mortality age-adjusted rate for Charlestown (277 deaths per 100,000 population) was 26% higher than the Boston rate (219 deaths per 100,000) and the second highest among Boston neighborhoods, after South Boston.

...and ... (1991 and 1992) ...

deaths per 100,000 and the second highest among Boston neighborhoods after South Boston

Charlestown (513 deaths per 100,000 population) was 20% higher than the Boston rate (518

Heart Disease Mortality: During 1989-2000, the heart disease mortality age-adjusted rate for

deaths per 100,000. ...

Cancer Mortality: During the period 1989-2000, the cancer mortality age-adjusted rate for

times the overall Boston rate for new cases per 100,000.

(513 new cases per 100,000 population) was the highest among Boston neighborhoods and 2.6

Enteric Disease Incidence Rate: In 2000, the enteric disease incidence rate for Charlestown

Challenges



Report Binder	
Stock No./Color	
80571	Black
80572	Lt. Blue
80573	Dk. Blue
80578	Rust
80579	Exec. Red

80571	Black
80572	Lt. Blue
80573	Dk. Blue
80578	Rust
80579	Exec. Red

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